Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/01/2018

Lab ID	:	CP-2018-01-02-03
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.
Customer's Reference	:	EE(Project)/YnkZone/WO/82/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-01-18
Sample ID No	:	2018-01-02-03/01
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	29/12/2017	05/01/2018	150.64 X 151.35 X 152.44	22799	8.219	383.0	16.8	17.1
2	M20 Concrete	M20	29/12/2017	05/01/2018	151.36 X 149.68 X 150.37	22656	8.186	391.9	17.3	
3	M20 Concrete	M20	29/12/2017	05/01/2018	151.38 X 149.69 X 151.36	22660	8.228	392.0	17.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-6548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-01-02-03** **Date: 26/01/2018**

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-01-18

Sample ID No : 2018-01-02-03/02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	29/12/2017	26/01/2018	151.22 X 150.60 X 149.77	22774	8.177	519.2	22.8	22.0
2	M20 Concrete	M20	29/12/2017	26/01/2018	151.33 X 150.75 X 151.22	22813	8.143	495.0	21.7	
3	M20 Concrete	M20	29/12/2017	26/01/2018	150.73 X 149.89 X 159.87	22593	8.225	483.5	21.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2017-12-19-01**

Date: 22-12-17

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01

Agency : Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.

Customer's Reference : EE(Project)/YnkZone/WO/82/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-12-17

Sample ID No : 2017-12-19-01/01

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 20-12-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.89	–
2	Finess by Air permeablity method (m^2/kg, Min)	274.6	225m^2/kg, Min
3	Density (gm/cc)	3.18	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	125 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-12-19-01** **Date: 17-01-18**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.
Customer's Reference	:	EE(Project)/YnkZone/WO/82/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-17
Sample ID No	:	2017-12-19-01/01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	20-12-17

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	56.0N/mm^2	Not less than 53 N/mm^2

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2017-12-19-01** **Date: 22-12-17**
Customer	:	Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address	:	Project Sub division, BBMP, Bangalore.
Project Name	:	Providing cement concrete roads to Yelahanka Janatha layout at Ward no.01
Agency	:	Sri. K.Achuta Murthy, No.07, 1st C Main road, Geleyara balaga, Mahalakshmipura, Bangalore-560086.
Customer's Reference	:	EE(Project)/YnkZone/WO/82/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-12-17
Sample ID No	:	2017-12-19-01/03
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	19-12-17
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	38	38	3.8	96.2	90-100	90-100	90-100	95-100
3	2.36 mm	190	228	22.8	77.2	60-95	75-100	85-100	95-100
4	1.18 mm	203	431	43.1	56.9	30-70	55-90	75-100	90-100
5	600 micron	197	628	62.8	37.2	15-34	35-59	60-79	80-100
6	300 micron	123	751	75.1	24.9	5-20	8-30	12-40	15-50
7	150 micron	168	919	91.9	8.1	0-10	0-10	0-10	0-15
8	Pan	81	1000	100.0	0.0	---	---	---	---
Result :The tested Sample Conforms to Grading Zone II									

AE seen

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2017-12-19-01** **Date: 22-12-17**

Sample ID No : 2017-12-19-01/03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.79	–
2	Specific Gravity	2.55	–
3	Material finer than 75 micron(%)	7.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****